

POKROVSKAYA, A. S.
re

176T66

USSR/Medicine - Diphtheria, Toxin 1 Aug 50

"Effect of Diphtheria Toxin on the Circulatory System of the Chicken Embryo," A. S. Pokrovskaya, Leningrad State Ped Med Inst, and Inst Exptl Med, Acad Med Sci USSR

"Dok Ak Nauk SSSR" Vol LXXIII, No 4, pp 825-828

Studies changes in int organs and circulatory system of chicken embryo by injection of diphtheria toxin equal to 0.02-0.2 of min lethal dose for guinea pigs. Finds effect of toxin is expressed 1st on peripheral vessels, and that all changes in remaining organs occur as result of damage to circulatory system. Four figures.

176T66

POKROVSKAYA, A. S.

"Action of Diphtheria Toxin During Early Stages of the Development of Chicken Embryo," DAN SSSR, 70, No 5, 929, 1950.

POKROVSKAYA, A.S.

Discharges in hydrogen. A. S. Pokrovskaya. Zhur.
Tekh. Fiz. 21, 617-24 (1951); Chem. Zentr. 1952, 1809.—
The probe (or grid) method was employed to study the pos.
discharge column in H₂. The exptl. results showed com-
plete agreement with the theory of plasma at low pressures
advanced by Tongs and Langmuir (cf. C.A. 24, 3429).
With the plasma in a state of equil., predominantly H₂⁺
ions rather than protons appeared to be formed by the
electrons. The measurements reported are utilized also
to det. the energy balance of the pos. column of the H₂ dis-
charge.
M. G. Moore

RM

200

POKROVSKAYA, A.S., kand.med.nauk; SPIZHARSKAYA, L.M., nauchnyy sotrudnik

Treatment of chronic bacillary dysentery with transfusion of bacterial
blood. Akt.vop.perel.krovi no.4:25-27 '55. (MIRA 13:1)

1. Bakteriologicheskaya laboratoriya Leningradskogo instituta pereli-
vaniya krovi (nauchnyye rukovoditeli raboty - chleny korrespondenty
AMN SSSR prof. A.N. Filatov i prof. Ye.S. Gurevich).
(DYSENTERY) (BLOOD AS FOOD OR MEDICINE)

USSR / Zooparasitology. Acarina and Insect-Vectors of
Disease Pathogens.

G-3

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 33979

Author : Pokrovskaya, E.I.

Inst : ~~NOT given~~

Title : Pathogenic Effect of Bites of Mature Ticks Dermacentor
Marginatus Sulz. on the Host. -- Patogennoe deystvie ukusov
polovozrelykh kleshchey Dermacentor marginatus Sulz. na
khoz'yaina.

Orig Pub : Zool. zh., 1957, 36, No. 2, 214-218.

Abstract : Feeding of 50-75 mature D. marginatus ticks on guinea pigs
causes the host's death with a 30-50% loss of blood and
severe change of its composition (hemoglobin and erythro-
cyte level is diminished to $\frac{1}{4}$ - $\frac{1}{5}$, and leucocytes are
increased 4-13 times). A lipoid distrophy, blood dischar-
ges, and other anomalies in tissues of internal organs are
noted. Healing of the skin after bites is restored slowly.

Card 1/1

POKROVSKAYA, E. I. and KUZNETSOV, P. K.

"The Propagation, Biology, and Ecology of Dermacentor Marginatus and Ixodes Ricinus Ticks in the Southeastern Part of the Central Black Earth Region."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Voronezh Medical Institute

POKROVSKIYA, E. V., KRUGLIKOV, A. M., SHAL'NEVA, A. M., GUZACHEVA, V. M.,
TITROVA, A. I., ZAITSEV, A. A. POPOVA, E. V., LYASKENKO, V. D.

"The sources of leptospirosis infection in nature (according to the Stavropol' region materials)." p. 254

Desyatoye Soveshchaniye po para itologicheskim problemam i prirodnouchagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254pp.

Inst. of Vaccines and Sera and Regional Sanitary-Epidemiological Station/Stavropol'

TAYTS, Ye.M.; POKROVSKAYA, F.I.

Making coke from briquetted fuel. Trudy IGI 20:189-197 '63.
(MIRA 17:8)

1. Otvetstvennyy redakt zhurnala "Trudy Institut goryuchikh
iskopayemykh" (for Tayts).

POKROVSKAYA, F.I.

Ash changes of brown and gas coals during their storage in dumps.
Trudy IGI 12:24-29 '61. (MIRA 14:3)
(Coal---Analysis)

POKROVSKAYA, G.

Bibliography. Geol. нефти i gaza 8 no. 1:61-64 Ja '64.
(MIRA 17:5)

POKROVSKAYA - G. A.

POKROBSKA, G. A.

Invertebrate Embryology

Dissertation: "Regulation of the Embryonal Development of the Mulberry Silkworm by the Effect of Lower Temperatures." Cand Biol Sci, Inst of Animal Morphology imeni A. N. Severtsov, 18 Mar 54. (Vechernyaya Moskva, Moscow, 8 Mar 54)

SO: SUM 213, 20 Sep 1954.

PREDTECHENSKAYA, I.A.; POKROVSKAYA, G.A.

Investigating substantive properties of vatsoel dyes. Izv. vys. ucheb.
zav.; tekhn. tekhn. Prom. no.5:114-119 '58. (MIRA 11:12)

1. Leningradskiy tekstil'nyy institut.
(Dyes and dyeing--Chemistry)

POKROVSKAYA, G.A.

Low temperature as a means of controlling the development of the silkworm *Bombyx mori* L. Report No.1: Age variations in the cold resistance of eggs during early stages of development. Trudy Inst.morf.zhiv. no.21:126-156 '58. (MIRA 12:1)

1. Laboratoriya eksperimental'noy embriologii imeni D.P. Filatova Instituta morfologii zhivotnykh.
(Cold--Physiological effect)
(Silkworms)

POKROVSKAYA, G.A.

Low temperature as a means of controlling the development of the silkworm *Bombyx mori* L. Report No.2: Experiment in extending the wintering of silkworm eggs by a period of negative temperatures. Trudy Inst.morf.zhiv. no.21:157-183 ' 58.

(MIRA 12:1)

1. Laboratoriya eksperimental'noy embriologii imeni D.P. Filatova Instituta morfologii zhivotnykh.

(Cold--Physiological effect)

(Silkworms)

KHARKHAROV, A.A., prof.; POKROVSKAYA, G.A., starshiy nauchnyy sotrudnik

Studying the conditions of high-temperature continuous methods
for dyeing knit fabrics made from polyester fibers. Tekst.
prom. 24 no.9:49-52 S '64. (MIRA 17:11)

1. Leningradskiy institut tekstil'noy i legkoy promyshlennosti.

POKROVSKAYA, G.A.

~~Nerve cells and ganglia within the internal carotid nerve [with
summary in English]. Vest. LGU 13 no.9:103-109 '58. (MIRA 11:6)
(NERVOUS SYSTEM, SYMPATHETIC)~~

KHARKHOV, A.A., prof.; POKROVSKAYA, G.A., nauchnyy sotrudnik

Monotone dyeing of fabrics made from synthetic fibers with direct
light fast dyes. Tekst.prom. 22 no.1:60-62 Ja '62. (MIRA 15:2)

1. Leningradskiy tekstil'nyy institut.
(Dyes and dyeing) (Synthetic fabrics)

COUNTRY : USSR
CATEGORY : Farm Animals.
General Problems.
ABS. JOUR. : RZhBiol., No. 3, 1959, No. 11972
AUTHOR : Pokrovskaya, G. F.; Veselov, V. I.
INST. : AS USSR, Yakutsk Affiliate.
TITLE : The Biochemical Composition and Caloric Value
of Some Animal Feeds in Yakutiya.
ORIG. PUB. : Dokl. na 8-y nauchn. sessii. (Yakutskiy fil.
AN SSSR). Botan., pochvoved., zool.,
ABSTRACT : No abstract.

CARD:

1/1
*zootekhnika. Yakutsk, 1957 (1958), 235-237

13

KOLMOGOROV, V.L.; ORLOV, S.I.; SELISHCHEV, K.P.; LEKARENKO, Ye.M. [deceased];
POKROVSKAYA, G.N.; TIKHONOV, D.Ya.; BOGOMOLOV, I.P.

Drawing wire of nonferrous metals and alloys in conditions of fluid
friction. TSvet. met. 36 no.12:65-67 D '63. (MIRA 17:2)

L 60216-65 EWT(d)/EWT(1)/EWT(m)/EPF(n)-2/EWA(d)/EWP(v)/EPR/EWP(t)/EWP(k)/EWP(h)/
EWP(b)/EWP(1)/EWA(h) Pz-2/Pf-4/Pe-4/Pe-4 IJP(c) JD/HW/JG/AT
ACCESSION NR: AP5019064 UR/0286/65/000/012/0089/0089

AUTHORS: Gil'dengorn, I. S.; Nuzhmov, A. G.; Pigidina, E. M.; Pokrovskaya, G. N.;
Puchkov, B. I.; Rogel'berg, I. L.; Tarasova, T. F.

TITLE: Thermocouple, Class 42, No. 172087, 6

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 89

TOPIC TAGS: thermocouple, precious metal, oxidizing medium, nickel, silicon,
niobium, cobalt, manganese, carbon, magnesium, zirconium, calcium, lanthanum,
cerium, boron, electrode

ABSTRACT: This Author Certificate presents a thermocouple based on precious metals and intended for use in oxidizing media. To increase its longevity at temperatures up to 1300C, the negative electrode is made of nickel with 2.5-7.0% of silicon and 1.5-5.0% of aluminum, while the positive electrode is made of a nickel alloy with 8-11% of chromium and 2-4% of silicon. Silicon may be fully or completely replaced by niobium. The electrode alloys may also be augmented with (singly or jointly) cobalt and manganese (up to 1%), zirconium (up to 0.2%), carbon and magnesium (up to 0.15%), calcium and lanthanum (up to 0.1%), cerium and boron (up to 0.01%).

Cord 1/2

L 60216-65

ACCESSION NR: AP5019064

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
splavov i obrabotki tsvetnykh metallov (State Scientific Research Institute of
Alloys and Nonferrous Metals Treatment)

SUBMITTED: 25Mar64

ENCL: 00

SUB CODE: IE, MM

NO REF SOV: 000

OTHER: 000

88
Card 2/2

LEKARENKO, Ye.M. [deceased]; POKROVSKAYA, G.N.; CHERNYKH, K.P.

Electric slag remelting of monel metal. TSvet. met. 37 no.9:90-91
S '64. (MIRA 18:7)

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
COMMON ELEMENTS																										COMMON ELEMENTS																									
MATERIALS INDEX																										MATERIALS INDEX																									
CA Glycogen of the blood under physiologic conditions. I. S. Shvartz and G. N. Pokrovskaya. <i>Arch. sci. biol.</i> (U. S. S. R.) 38, 769-776 (in German 776) (1935). --Using Osterberg's method (C. A. 30, 824) the authors report finding 19-77 mg.-%, av. 35 mg.-%, glycogen (G) in the fasting blood of 11 young normal men. After 100 g. sucrose by mouth the av. figure for G rose to 60 mg.-% in 30 min. and to 47 mg.-% in 60 min. There is no parallel- ism with the blood glucose curve. The G curve rises about at the same rate as the glucose curve but falls more slowly. W. A. Perlzweig																																																			
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1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
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CO 11g The blood glycogen in acute and chronic liver diseases L. S. Shvartz and G. N. Pokrovskaya. <i>Arch. sci. med.</i> (U. S. S. R.) 38, 777-87 (1965). In acute and chronic liver diseases the blood glycogen is 45% higher than normal. In sugar-tolerance tests (100 g. sucrose by mouth) the glycogen curve (I) of the blood is quite dif- ferent from that in normal individuals. The rate of fall of (I) is conditioned by the state of the reticuloendothelial system, particularly of the spleen. There is no parallel- ism between (I) and the blood-glucose curve. The adminis- tration of insulin simultaneously with the sugar causes a more rapid fall in (I) than in normal subjects, while ad- ministration of adrenaline with the sugar causes a smaller increase of blood glycogen than in normal subjects. W. A. DeLoraine																																																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			

PROCESSES AND PROPERTIES INDEX																									
CA The blood glycogen in diabetes. L. S. Shvartz and G. N. Pokrovskaya. <i>Arch. sci. biol.</i> (U. S. S. R.) 38, 780 (1955). The blood glycogen (1) level of diabetes is 50% higher than in normal subjects, the av. being 50 mg. 70. It depends on the severity of the disease, being higher in light cases and lower in severe cases. The curve of (1) in the blood is on a higher level after 50 g. of sucrose than after 100 g. This is explained on the theory that the larger amt. of sugar exhausts the insulin supply and thus lowers glycogenesis. W. A. P. 119																									
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ALPHABETIC INDEX																									
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POKROVSKAYA, G-N. CA 9 Presence of gas bubbles in thin aluminum sheets. At I. Zamotin and G. N. Pokrovskaya <i>Metallurg</i> 13, No 12, 114-119 (1938); (<i>Chimie & industrie</i> 42, 281). Refining of Al (to remove air bubbles) by means of A or He is very slow and unsatisfactory. N dissolves to a considerable extent in Al and can therefore not be used. Cl gives good results, but only provided the metal contains no N. The greater portion of the gas bubbles can be removed from Al by means of ZnCl₂; but in presence of sol. N its action is only slight. Best results in all cases are obtained by refining in vacuum chambers. A. P. C. ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION GROUP DIVISION TABOES #4 150000 012 000 001 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100																									

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POKROVSKAYA, G.N. <i>Blister on Thin Aluminium Sheet. M. I. Zamotorin and G. N. Pokrovskaya (Metallurg (Metallurgy), 1932, (12), 114-119). [In Russian.] Refining of the metal with argon and helium proceeds very slowly and does not give results of practical value. Nitrogen dissolves in aluminium and therefore cannot be used for refining. Refining with chlorine leads to positive results in the absence of nitrogen. Treatment with zinc chloride removes the greater part of the gases with the exception of nitrogen. The best results are obtained by refining by treatment in a vacuum.—N. A.</i>																																																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			

PROCESSING AND PROPERTY INDEX																									
1ST AND 2ND COLUMNS													3RD AND 4TH COLUMNS												
CA The glycogen curve in the arterial blood. L. S. Shvarts and G. N. Pokrovskaya. <i>Therap. Arch. (U. S. S. R.)</i> 17, 154-60(1939); <i>Chem. Zvest.</i> 1939, 11, 3304.—The glycogen content was found to be different in the arterial and in the venous blood. Disturbances in the synthesis and fixation of glycogen in patients suffering from diabetes and disorders of the liver could be detected by detn. of the glycogen and the sugar in the arterial blood after administration of sugar and injection of adrenaline. M. G. Moore																									
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																									
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I-53881-65 EWT(m)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b)/EWP(z)/EWA(c) Pf-l MJW/JD/

ACCESSION NR: AP5014895

UR/0135/65/000/006/0015/0017

621.791.92; 621.9.06

36 HM

30

8

AUTHOR: Razikov, M. I. (Cand. of technical sciences); Tolstov, I. A. (Engineer);
Pokrovskaya, G. N. (Engineer)

TITLE: Build-up of press tools with weld metal

SOURCE: Svarochnoye proizvodstvo, no. 6, 1965, 15-17

TOPIC TAGS: build-up sequence, press tool, press bushing, press die, carbon dioxide shielded arc, arc welding, flux welding, welding wire, bimetal bushing, powdered metal

ABSTRACT: The Kamensk-Ural'skiy Plant for the Processing of Nonferrous Metals, in collaboration with the Ural Polytechnic Institute, has developed and introduced techniques of building-up machine parts by means of carbon dioxide-shielded arc welding as well as flux welding with special reference to restoring worn press bushings and dies. These press tools are the most expensive and most rapidly wearing parts of presses, since they are subject to sharp fluctuations in temperature and extreme stresses. The plant maintains its own welding department and makes its own welding wire from powdered metal. The build-up

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L 53881-65

ACCESSION NR: AP5014895

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sequence for the press bushings and dies, as well as for some 28 other machine parts which are currently regularly restored by build-up at this plant, involves the deposition of successive 3-4, 4-5, and 5-6 mm layers of weld metal. The plant has also developed new welding-wire compositions based on metal powders. Thus for example, the replacement of the bushings of a 1,500-ton press, made of 4KhNV steel, with bimetal bushings made of 30KhGSA steel with a built-up working layer of the 2Kh3V10GT type yields savings of as much as 700 kg of nickel annually. Even greater savings of nickel are anticipated on replacing the bushings, plates, and dies of a 3,500-ton press, made of 4KhNV steel, which contains up to 4.5% nickel, with their counterparts made of 5KhNV steel, containing 1.5% nickel, and topped with a wear-and heat-resistant built-up coating. Orig. art. has: 4 figures, 5 tables.

ASSOCIATION: Kamensk-Ural'skiy zavod po obrabotke tsvetnykh metallow
(Kamensk-Ural'skiy Plant for the Processing of Nonferrous Metals)

SUBMITTED: 000

ENCL: 00

SUB CODE: MM

NO REF SOV: 000

OTHER: 000

Card 2/2

L 45063-65 ENT(m)/EWA(d)/ENP(t)/ENP(z)/ENP(b) Pad IJP(c) MJW/JD/RW

ACCESSION NR: AR5008957

S/0277/65/000/001/0024/0024

SOURCE: Ref. zh. Mashinostroitel'nyye materialy, konstruktsei i raschet
detaley mashin. Otd. vyp., Abs. 1.48.117

AUTHOR: Nuzhnov, A. G.; Pokrovskaya, G. N.; Puchkov, B. I.; Rogel'berg, I. L.;
Tarasova, T. F.

TITLE: A study of the relationship of the thermoelectromotive force to
composition in NK alloy

CITED SOURCE: Tr. Gos. n.-i. i proyekt. in-ta splavov i obrabotki tsvetn.
met., vyp. 22, 1964, 115-128

TOPIC TAGS: alloy thermoelectromotive force, alloy composition, thermocouple,
nickel alloy, cobalt alloy, NK alloy

TRANSLATION: NK alloy is designated for the manufacture of the thermoelectrodes
used in thermocouples. The alloy contains 12-20% Co, about 2% Mn and Al, and
about 1% Si; the remainder is Ni. L. Gomozyov

SUB CODE: MM

ENCL: 00

Card 1/1

L 1443-65 EWT(m)/EWP(w)/EWA(d)/EWP(t)/EWP(b) Pad ASD(m)-3 JD/HW

ACCESSION NR: AP4045413

S/0136/64/000/009/0090/0091

AUTHOR: Lekarenko, Ye. M.; Pokrovskaya, G. N.; Chernykh, K. P.

TITLE: Electroslag melting of monel metal 4

SOURCE: Tsvetnyye metally*, no. 9, 1964, 90-91

TOPIC TAGS: monel metal, monel metal melting, monel metal electroslag melting, electroslag melting

ABSTRACT: Since monel metal ingots produced by conventional melting methods have numerous defects such as hairline cracks, an attempt was made to obtain high-quality monel metal by electroslag melting. Tests were made with a consumable electrode 70—75mm in diameter, using AN-291 flux, with a current of 1800—2500 amp and a voltage of 46 v. Ingots 150 mm in diameter were produced which had good surface quality and a dendritic structure, without any shrinkage porosity or hairline cracks. The manganese content of the ingots was 7—10% lower than that of the consumable electrodes. No loss of other components was observed. The high quality of electroslag melted monel metal appears to justify the additional expenditures and complications connected with electroslag melting. Orig. art.

Card 1/2

L 11113-65
ACCESSION NR: AP4045413

has: 2 figures.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NO REF SOV: 002

OTHER: 000

Card 2/2

RANILOV, M.I., kand. tekhn. nauk; TOLSTOV, I.A., inzh.; FOKROVSKAYA, O.N.,
inzh.

Build-up welding of dies. Svar. proizv. no.6:15-17 Je '65.
(MTEA 18:8)

1. Ural'skiy politekhnicheskiy institut im. S.M.Kirova (for
Razikov, Tolstov). 2. Kuznetsk-Ural'skiy zavod po obrabotke
tsvetnykh metallov (for Fokrovskaya).

KUZ'MIN, L.I.; REVIYAKOV, V.F.; POKROVSKAYA, G.N.; TROFIMOV, I.I.;
PANFILOV, R.A.

Increasing the durability of linings in low-frequency induction
channel furnaces. TSvet. met. 58 no.8:81-83 Ag '65.

(MTR 18:9)

STUKACH, A. G.; LEKARENKO, Ye. M. [deceased]; ZYKOV, Yu. S.;
POKROVSKAYA, G. N.; BOGOMOLOV, Yu. I.; CHERNYKH, K.P.

Increase in width and the coefficient friction during
the shape rolling of nonferrous metals and alloys.
TSvet. met. 36 no. 11:65-69 N '63. (MIRA 17:1)

ACCESSION NR: AT4012709

S/2981/63/000/002/0028/0030

AUTHOR: Lekarenko, Ye. M.; Pokrovskaya, G. N.; Zenkov, G. P.; Sarul', L. A.; Kolobnev, N. I.

TITLE: SAP made from secondary aluminum

SOURCE: Alyuminiyevy*ye splavy*. Sbornik statey, no. 2. Spechenny*ye splavy*. Moscow, 1963, 28-30

TOPIC TAGS: powder metallurgy, sintered aluminum, aluminum powder, sintered aluminum powder, primary aluminum, secondary aluminum, SAP

ABSTRACT: Grade A0 and A00 primary aluminum is normally used for manufacturing grade APS aluminum powder. The problem of using aluminum powder made of grade ATsV secondary aluminum (1.1% Al_2O_3 ; 3.1% Si; 2.88% Cu; 1.56% Zn; 1.1% Fe; 0.01% Mn; 0.03% H_2O ; the rest Al, with a specific gravity of 1.15) was solved by a series of tests investigating the mechanical properties and corrosion resistance of such blanks. These tests showed that at temperatures up to 350C, the ultimate strength of SAP from secondary aluminum containing 7% Al_2O_3 (45 kg/mm² at 20C and 15 kg/mm² at 300C) is higher than that of SAP from primary aluminum. The relative elongation (4% at 20C, 6% at 300C), on the other hand, was lower than that of SAP from primary aluminum at temperatures up to 100-120C and higher at

Card 1/2

AUTHOR: Pokrovskaya, G.N. 93-57-7-12/22

TITLE: The Area of Oil-bearing Sands at the Samarskaya Luka Oilfields (Ob udel'noy poverkhnosti peschanykh kollektorov mestorozhdeniy Samarskoy Luki)

PERIODICAL: Neftyanoye khozyaystvo, 1957, Nr 7, pp 43-45 (USSR)

ABSTRACT: This study was undertaken to determine the area of oil-bearing sands in the coal and Devonian beds at the Samarskaya Luka oilfields. For the coal formation B₂ the oil-bearing sand content was determined on the basis of 50 core samples from 33 wells in the Zol'noye (Zol'nenskoye), Strel'nenskoye, Yablonovyy Ovrage, Karlovo-Sytovskoye, Gubinskoye, Syzran' (Syzranskoye) and Zaborovka (Zaborovskoye) oil fields. For the Devonian formations the sand content was determined on the basis of 47 core samples from 19 wells in the Zol'noye, Zhigulevsk (Zhigulevskoye), and Yablonovyy Ovrage oil fields. The core samples were extracted in Soxhlet apparatus. After drying, the general porosity

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The Area of Oil-bearing Sands (Cont.)

93-57-7-12/22

was determined by the saturation method and the absolute permeability by pressing compressed nitrogen through the sand. The results are given in Table 1. The author compares the specific areas of oil-bearing sands at Samarskaya Luka oilfields with those of the Devonian oil-bearing sands in the Tuymazy oilfield studied by L.I. Rubinshteyn of the Ufa Petroleum Scientific Research Institute (UFNII). There is one table.

AVAILABLE: Library of Congress

Card 2/2 1. Oil-Determination

SHTEYNEBERG, M.M.; POKROVSKAYA, G.N.; CHEREMUKHINA, A.I.

Effect of iron, lead, and phosphorus additions and conditions
of recrystallization following annealing on the mechanical properties
of 162 brass. Trudy Ural. politekh. inst. no.68:59-70 '58.

(MIRA 12:7)

(Brass--Testing) (Annealing of metals) (Crystallization)

28 (5)
AUTHORS:

Nuzhnov, A. G., Pokrovskaya, G. N.,
Rogel'berg, I. L.

S/032/60/026/01/048/052
B010/E001

TITLE:

On Testing Methods for Thermoelectrodes and Thermocouples
(On the Occasion of the Paper by A. N. Gordov and N. N. Ergardt
Published in the Periodical "Zavodskaya laboratoriya", 1958,
Vol 24, Nr 12)

II

PERIODICAL:

Zavodskaya laboratoriya, 1960, Vol 26, Nr 1, p 121 (USSR)

ABSTRACT:

A number of authors (Ref 1) investigated the stability of thermocouples by means of two methods. One method determines the variation of the thermoelectric force of the thermoelectrodes depending on the temperature and the duration of the stay in the furnace. The second method determines the stability from the variation of the thermoelectric force due to different immersion depths of the thermocouple into the furnace. The authors mentioned in the title consider investigations of the variation of the thermoelectric force of the thermoelectrodes at any working conditions, as examinations "of stability". They consider examinations with unchanged position of the thermocouples as "examinations of the duration of application". Contrary to the authors

Card 1/2

On Testing Methods for Thermoelectrodes and Thermo- S/032/60/026/01/048/052
 couples (On the Occasion of the Paper by A.N. Gordov B010/B001
 and N. N. Ergardt Published in the Periodical
 "Zavodskaya laboratoriya", 1958, Vol 24, Nr 12). II

mentioned in the title, the present authors assume that the
 latter examinations are to be considered criteria for the sta-
 bility of the thermocouples since the majority of the thermo-
 couples are used under stationary conditions. For this reason,
 only a small section of the paper by I. P. Zubov (Ref 1) (which
 was criticized in the paper mentioned in the title) and of the
 paper by Dal' (Ref 1) was devoted to the second method mentioned
 above. For the same reason, the stability of chromel-, alumel-,
 and kopel wires is tested at strictly fixed position of the
 thermoelectrodes in the furnace at the present factory. There
 is 1 Soviet reference.

ASSOCIATION: Kamensk-Ural'skiy zavod po obrabotke tsvetnykh metallov (Kamensk-
 Ural'skiy Factory for the Working of Nonferrous Metals).
 Gosudarstvennyy nauchno-issledovatel'skiy institut po obrabotke
 tsvetnykh metallov (State Scientific Research Institute for the
 Working of Nonferrous Metals)

Card 2/2

POKROVSKAYA, G.N.; KALABIN, Yu.Ya.

Dynamic porosity and the possibility of its utilization in appraising oil reserves. Geol.nefti i gaza 6 no.4:46-51 Ap '62.

(MIRA 15:4)

1. Kuybyshevskiy nauchno-issledovatel'skiy institut po pererabotke nefti.

(Porosity) (Kinel'-Cherkassy District--Petroleum geology)

L 23846-65 EWT(m)/EWP(w)/EPT(n)-2/EHA(d)/EPR/T/EWP(t)/EWP(b) Pad/Pe-4/Pu-4 IJP(c)
 ACCESSION NR: AT4045671 JD/WN/HW/JG S/2680/64/000/022/0039/0061

AUTHOR: Agafonov, A. K.; Aleksakhin, I. A.; Pokrovskaya, G. N.; Puchkov, B. I.; Rogel'berg, I. L.; Tarasova, T. F.; Nuzhnov, A.G. (Deceased) ⁷⁰ BT/

TITLE: Thermoelectromotive force of binary solid solutions on a Ni-base

SOURCE: Moscow. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov i obrabotki tsvetnykh metallor. Trudy*, no. 22, 1964, Issledovaniye splavov dlya termopar (Studying alloys for thermocouples), 39-61

TOPIC TAGS: thermoelectromotive property, binary solid solution, nickel, aluminum, beryllium, cobalt, chromium, copper, iron, germanium, magnesium, manganese, molybdenum, niobium, rhenium, silicon, tantalum, titanium, vanadium, tungsten, zirconium, oxidation resistance

ABSTRACT: Many alloys used for the production of thermocouples have a Ni base and, therefore, their thermoelectric properties are of considerable interest. Ni alloys with Al, Be, Co, Cr, Cu, Fe, Ge, Mg, Mn, Mo, Nb, Re, Si, Ta, Ti,

Card 1/2

L 23816-65

ACCESSION NR: AT4045671

²⁷V, ²⁷W and ²⁷Zr were tested. Specimens consisted of 300 g ingots having a diameter of 18 mm. An argon induction furnace was used and a magnesite crucible. Ingots with a low content of additives were cold-rolled into 5.3 mm rods and cold-roll specimens with a high content of the second component were subjected to intermediate quenching from 1200C. The rods were annealed for two hours at 1000C and the thermoelectromotive force measured within a temperature range of 0 to 1200C. Most tested elements enhanced the thermoelectromotive force of Ni and 15 to 17% Mo, 6.5% Co and 19 to 20% W had a conspicuous effect. Elevated temperature accelerated the effect and low temperature slowed it down considerably. The only exceptions were Al, Be and Cu: these elements lowered the thermoelectromotive force. Many systems displayed an extremum in solid solutions with Cr, Co, Al, Si, Co, etc. Orig. art. has: 36 figures and 3 tables

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut obrabotki tsvetnykh metallov, Moscow (State Scientific Research and Planning Institute for the Processing of Nonferrous Metals)

SUBMITTED: 00

ENCL: 00

SUB CODE: MM, EM

NR REF SOV: 008

OTHER:009

Card2/2

L 23848-65 EWT(m)/EWA(d)/EWP(t)/EWP(b) Pad IJP(c) MJW/JD/HW/WB
 ACCESSION NR: AT4045673 S/2680/64/000/022/0101/0114

AUTHOR: Nuzhnov, A. G. (Deceased); Pokrovskaya, G. N.; Puchkov, B. I.;
 Rogel'berg, I. L.; Tarasova, T. F. 25
BH

TITLE: Investigation of Alumel and Chromel alloys with cobalt additions

SOURCE: Moscow. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy
 institut splavov i obrabotki tsvetnykh metallov. Trudy*, no. 22, 1964. Issledov-
 aniye splavov dlya termopar (Studying alloys for thermocouples), 101-114

TOPIC TAGS: Chromel, Alumel, Co, Mn, Ni, Cr, oxidation resistance, thermal emf

ABSTRACT: The decline of the production of Chromel and Alumel couples in
 recent years initiated an investigation of the thermoelectromotive properties of
 these alloys with Co additions. The stability, oxidation rate and changes in the
 thermoelectromotive force under the effect of oxidation were observed in Ni(N-1),
Cr(KhO), Si(Kr1), Al(A00) and Mn(Mr1) alloy wire rods having a diameter of 3.2
 and 1.2 mm. Co additions were found to lower the thermoelectromotive force of
 Chromel and Alumel, their thermoelectric properties becoming more linear and
 approximating the norms set by State Standards (GOST) 1790-63. (see figs. 1 &

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L 23848-65

ACCESSION NR: AT4045673

2 of enclosure). Therefore, Co is a suitable regulator of the thermoelectric properties of both alloys. Oxidation resistance of Chromel and its working properties were substantially improved and those of Alume1 to a lesser extent by Co additions. All specimens were endowed with improved stability and the thermoelectromotive force of couples approximated the norms set by State Standards 3044-61. Orig. art. has: 7 figures and 3 tables

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut obrabotki tsvetnykh metallov, Moscow (State Scientific Research and Planning Institute for the Processing of Nonferrous Metals)

SUBMITTED: 00

ENCL: 04

SUB CODE: MM, EM

NR REF SOV: 005

OTHER: 001

Card 2/6

L 23849-65 EWT(1)/EWO(k)/EWT(m)/EWA(d)/EPR/EAP(t)/EEC(b)-2/EWP(b) Pz-5/Ps-4
 ACCESSION NR: AT4045875 LJP(c) HJW/JD/S/2880/64/000/022/0129/0142 39
 AT 38
 36
 34

AUTHOR: Nuzhnov, A. G. (Deceased); Pokrovskaya, G. N.; Puohkov, B. I.
Rogel'berg, I. L.; Tarasova, T. F.

TITLE: Investigation of the effect of the composition of an "CA" alloy on the thermoelectromotive force

SOURCE: Moscow. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov i obrabotki tsvetnykh metallov. Trudy*, no. 22, 1964. Issledovaniye splavov dlya termopar (Studying alloys for thermocouples), 129-142

TOPIC TAGS: aluminum, silicon, manganese, thermoelectromotive force
 27 27 27

ABSTRACT: The effect of Si, Al and Mn on the thermoelectromotive force of the Alumei-type alloy "CA" was investigated. Unlike Alumei, the Al contents in the "CA" alloy is higher (up to 3.5%) and the Mn contents lower (less than 2%). All tests were conducted within a 100 to 1000C temperature range. All three components lowered the thermoelectromotive force of the tested alloy. The effect of Mn was found to be independent of the concentration of the two other components.

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L 23849-65

ACCESSION NR: AT4045675

An efficient adjustment of the electromotive force calls for the maintenance of an invariable Mn level of 1.4% during the melting of the alloy while Al and Si are added. The electromotive force rose sharply above 12 mv when Mn quantities were higher and the Si and Al contents was 1.1% and 3.3% respectively. As a rule, the Al contents in that alloy exceeds 2.8% and increasing concentrations lower the thermoelectromotive force. The lowering effect of Si is more appreciable within the 400 to 1000C range when the alloy has a high Al content. The effect of the composition on the thermoelectromotive force may serve as a basis for the production process of "CA" alloys. Orig. art. has: 12 figures and 2 tables

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut obrabotki tsvetnykh metallov, Moscow (State Scientific Research and Planning Institute for the Processing of Nonferrous Metals)

SUBMITTED: 00

ENCL: 00

SUB CODE: MM,EM

NR REF SOV: 004

OTHER: 000

Cord 2/2

L 32262-65 EPF(n)-2/EPR/EPA(s)-2/EWT(m)/EPA(bb)-2/EWP(b)/EWA(d)/EWP(t) Ps-4/
 Pt-10/Pu-4/Pad IJP(c) WWH/JD/HW/JG/WB
 ACCESSION NR: AT4045672 S/2680/64/000/022/0062/0071

AUTHOR: Nuzhnov, A.G. (Deceased); Pokrovskaya, G.N.; Puchkov, B.I.; Rogel'berg, I.L.; Tarasova, T.F.

TITLE: Thermoelectromotive force of binary solid solutions on a cobalt base 81
 65
 27

SOURCE: Moscow. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov i obrabotki tsvetnykh metallov. Trudy*, no. 22, 1964. Issledovaniye splavov dlya termopar (Studying alloys for thermocouples) 62-71

TOPIC TAGS: cobalt, aluminum, beryllium, chromium, copper, iron, germanium, manganese, niobium, nickel, silicon, tantalum, titanium, vanadium, tungsten, molybdenum, zirconium, binary solid solution, thermoelectromotive force, cobalt based solution

ABSTRACT: The authors investigate the thermoelectromotive force of Cb solid solutions in the quest for alloys that would be suitable for the production of thermocouples. Specimens contained up to 4% Co and Al, 1.5% Be, 25% Cr, 5% Cu,
 27 27 27 27

Card 1/2

L 32262-65

ACCESSION NR: AT4045672

40% Fe, 5% Ge, 40% Mn, 5% Nb, 10% Ni, 20% Re, 5% Si, 10% Ta, 6% Ti, 15% Va,
13% W, 10% Mo and 2% Zr. Testing temperatures varied between 100 and 1200 C.
The changes in the thermoelectromotive force were found to become increasingly
complex as the concentration of the dissolved component was increased and that
accurate observations required the measurement of the thermoelectric properties
in a state of equilibrium. With heightened concentration of the solid solution, the
thermoelectromotive force was observed to decline. In Co alloys having low
solubility components such as Cu, Zr and Be, the increased concentration of the
alloying element brought about an initial decrease and subsequently a slight in-
crease of the thermoelectromotive force. Only Co-Cr alloys containing over 20%
Cr were found suitable for the positive electrode. These alloys possess a satis-
factory thermoelectromotive force and earlier investigations show them to be
sufficiently oxidation-resistant. Orig. art. has: 16 figures

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov
i obrabotki tsvetnykh metallov, Moscow (State Scientific Research and Design Insti-
tute for Alloys and Processing of Nonferrous Metals)

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NO REF SOV: 000

OTHER: 005

Card 2/2

L 32263-65 EPR/EWT(m)/EWP(b)/T/EWA(d)/EWP(w)/EWP(t) Ps-4/Pad IJP(c) MJN/
JD/HN
ACCESSION NR: AT4045674 S/2680/64/000/022/0115/0128

AUTHORS: Nuzhnov, A.G. (deceased); Pokrovskaya, G.N.; Puchkov, B.I.; Rogel'berg, I.L.; Tarasova, T.F.

TITLE: Investigation of the effect of composition on the thermo-electromotive force of an "NK" alloy

SOURCE: Moscow. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov i obrabotki tsvetnykh metallov. Trudy*, no. 22, 1964. Issledovaniye splavov dlya termopar (Studying alloys for thermocouples), 115-128

TOPIC TAGS: alloy composition, NK alloy, Co, Mn, Al, Si, Ni, Fe, Mg, Cu, thermoelectromotive force

ABSTRACT: The investigated NK alloy contained 15 to 20% Co, approximately 2% Mn and Al, 1% Si and Ni. Serious difficulties arose in melting this alloy in industrial furnaces because of an inability to control its electromotive properties. The authors continued experiments on the basis of earlier findings. The effect of the basic components as well as of Fe, Cu and Mg was observed within the 100 to 1000 C range. Al and Si additions proved beneficial for

1 32263-65

ACCESSION NR: AT4045674

thermoelectromotive control of the specimens during melting while the Mn and Co content was maintained on a constant level. At high temperatures, an increase in the Co² contents enhanced the thermoelectromotive force. The suggested optimal composition is 1.8 to 2.1% Al, 0.9 to 1.1% Si, 16.5 to 17.5% Co and 1.9 to 2.1% Mn. The orig. art. has: 13 figures and 2 tables. 2

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov i obrabotki tsvetnykh metallov, Moscow (State Scientific Research and Design Institute for Alloys and Processing of Nonferrous Metals)

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NO REF SOV: 004

OTHER: 000

2/2

Cerd

POKROVSKAYA, G.R.

Abstracts from USSR. Energeticheskii Institut	307/436
Konvektivnyy i konduktivnyy teploobmen (Convection and Radiation Heat Exchange)	
Moscow, Izd-vo AN SSSR, 1960. 254 p. Extra slip inserted. 3,000 copies printed.	
Ed.: M.A. Mikheyev, Leningrad; Ed. of Publishing House: G.B. Gornikova; Tech. Ed.: V.P. Braginskii.	
PREFACE. The book is intended for scientists and engineers working in various branches of science and industry concerned with thermodynamics and heat transfer problems.	
CONTENTS. The book consists of 19 original articles on various problems in thermodynamics. The following subjects are discussed: mechanisms of heat transfer processes, intensification of heat exchange, determination of thermophysical properties of operating media, heat transfer in supercritical flow of gas and steam, heat transfer in nuclear reactors, theory and experimental techniques for determining the experimental data obtained are given. The data may be used for calculations of heat transfer and heat exchangers, always taking account of	
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POKROVSKAYA, G.V.; CHERNOV, Vasiliy Stepanovich; STUKOVNIN, N.D.,
red.

[Organic chemistry] Organicheskaya khimiya. Moskva, Vys-
shaya shkola, 1963. 217 p.
(MIRA 17:4)

DEMIKHOVSKAYA, S.Z.; VODZINSKIY, Yu.V.; YUSTOVA, Ye.N.; GROMOVA, I.S.;
POKROVSKAYA, G.V.

Standard specimens of the color of rosin. Gidroliz. i lesokhim.
prom. 16 no.2:8-10 '63. (MIRA 16:6)

1. Tsentral'nyy nauchno-issledovatel'skiy i proyektnyy institut
lesokhimicheskoy promyshlennosti (for Demikhovskaya, Vodzinskiy).
2. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii
im. Mendeleyeva (for Yustova, Gromova, Pokrovskaya).
(Gums and resins—Grading)
(Color)

POKROVSKAYA, I.A.

Method for determining correction factors which take into account the effect of wind on the readings of thermoelectric balance meters and effective pyranometers. Trudy GGO no.43:9-12 '54. (MIRA 11:5)
(Winds) (Pyranometer)

KLESTOVA, M.M., mladshiy nauchnyy sotrudnik; ~~POKROVSKAYA~~, I.A., starshiy
nauchnyy sotrudnik, redaktor; FLAUM, M.Ya., tekhnicheskii redaktor

[Manual on the adjustment of meteorological instruments] Rukovodstvo
po regulirovke meteorologicheskikh priborov. Leningrad, Gidrometeoro-
logicheskoe izd-vo, 1956. 33 p.
(MIRA 9:8)

1. Leningrad, Glavnaya geofizicheskaya observatoriya. 2. Glavnaya
geofizicheskaya observatoriya im. A.I.Voyeykova. (for Klestova,
Pokrovskaya)
(Meteorological instruments)

POKROVSKAYA, I. A.

PHASE I BOOK EXPLOITATION

807/1732

Leningrad, Glavnaya geofizicheskaya observatoriya
Metodika meteorologicheskikh nablyudeniy (Methodology of Meteorological
Observations) Leningrad, Gidrometeoizdat, 1956. 153 p. (Series:
Iz. Trudy, vyp. 61 /123/ 1,400 copies printed.

Sponsoring Agency: USSR. Glavnaya upravleniye gidrometeorologicheskoy
sluzhby

Ed. (title page): I. I. Pivovareva, Candidate of Geographical Sciences;
Ed. (inside book): Ye. I. Oksanova; Tech. Ed.: K. P. Shumikhin.

PURPOSE: This collection of articles is intended for meteorologists
serving with the hydrometeorological network in the Soviet Union.

COVERAGE: The publication contains scientific articles on the methods
of meteorologic observations and on the procedure of testing
meteorological instruments. The possibility of reducing the errors
and thus securing more accurate results in observations are shown
by mathematical computations and graphs. The need for a universal
portable instrument that would be capable of instantly recording
cloud height is emphasized. The articles are accompanied by
maps, diagrams, tables and references.

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Lugovskaya, M. A., and I. A. Pokrovskaya. Errors in Checking the Thermoelectric Actinometers and Pyranometers	120
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Pateyev, N. P. Methodology for Determining the Altitude of the Lower Surface of Clouds	137
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POKROVSKAYA I. A.

Overheating of actinometric instruments relative to air temperature.
Trudy GGO no.61:115-119 '56. (MLRA 10:7)
(Actinometer)

POKROVSKAYA, I.A.

LUGOVSKAYA, M.A.; POKROVSKAYA, I.A.

Errors in checking thermoelectric actinometers and pyranometers.
Trudy GGO no.61:120-134 '56. (MLRA 10:7)
(Actinometer) (Pyranometer)

POKROVSKAYA, I.A.

Pivovarova, Z.I.

3(7)

63

PLANE I BOOK REPRODUCTION

808/1719

Leningrad. Glavnyy geofizicheskaya observatoriya
Metodicheskoye posobie dlya nauchnykh i spetsialnykh
Observatsionnykh stantsiy. Glavnyy geofizicheskaya observatoriya
Leningrad. Gidrometeorologicheskoye izdatel'stvo. 1958. 55 p. (Series:
Additional Sponsoring Agency: USSR. Glavnyy upravleniye
gidrometeorologicheskoy sluzhby.

M. (Title page); Z.I. Pivovarova. Candidate of Geographical Science;

REMARKS: This issue is intended for meteorologists and especially for
personnel of the hydrometeorological service.

CONTENTS: This issue discusses the methodology of meteorological,
actinometric and gradient measurements and the processing of such
data. Subdivisions of meteorology covered in some detail include:

Card 1/3

snow density, daily variation of relative humidity, soil tempera-
ture measurements, estimation of quantitative cloud cover, wind
velocity measurement, and others. Individual articles are
accompanied by bibliographic references.

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AVAILABLE: Library of Congress

MM/yr
5-21-59

Card 3/3

VOLOKH, V.G.; GUSHCHINA, M.V.; IGRUNOV, V.D.; NECHAYEV, I.N.; POKROVSKAYA, I.A.; TRIFONOVA, T.S.; TSYGANOVA, A.M.; RUSIN, N.P., otv.red.; KITAYTSEV, A.M., red.; KUZ'MIN, L.A., red.; OLIMPOV, V.G., red.; SKITEYKIN, I.S., red.; BERLIN, I.A., red.; NECHAYEV, I.N., red.; SHCHERBAKOVA, L.F., red.; MARTYNOV, S.I., red.; SIMONOV, Ya.P., red.; IVANOV, A.P., red.; BESSONOV, N.P., red.; YASNOGORODSKAYA, M.M., red.; VLADIMIROV, O.G., tekhn.red.

[Directions for hydrometeorological stations and posts] Nastavlenie gidrometeorologicheskim stantsiham i postam. Leningrad, Gidrometeor.izd-vo. No.3, pt.1. [Observations at meteorological stations] Meteorologicheskie nabludeniia na stantsiakh. 1958. 223 p.

(MIRA 12:12)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeorologicheskoy sluzhby. 2. Sotrudniki Metodicheskogo otdela Glavnay geofizicheskoy observatorii im. A.I.Voyeykova (for Volokh, Gushchina, Igrunov, Nechayev, Pokrovskaya, Trifonova, Tsyganova). 3. Glavnoye upravleniye Gidrometeorologicheskoy sluzhby SSSR (GUGMS)(for Kitaytsev, Kuz'min, Olimpov, Skiteykin). 4. Glavnaya geofizicheskaya observatoriya (GGO) (for Berlin, Nechayev, Rusin, Sherbakova). 5. Mestnyye upravleniya Gidrometeorologicheskoy sluzhby (for Martynov, Simonov, Ivanov, Bessonov).

(Meteorology--Observations)

POKROVSKAYA, I.A.

Dependence of conversion factors of thermoelectric actinometers
and pyranometers on temperature. Trudy GGO no.86:38-41

' 58.

(Actinometer)

(Pyranometer)

(MIRA 11:11)

POKROVSKAYA, L. A.

PHASE I BOOK EXPLOITATION

SOV/3672

SOV/2-M-101

Leningrad. Glavnaya geofizicheskaya observatoriya imeni A.I. Voyeykova [Trudy, No. 101] Voprosy poverki meteorologicheskikh priborov (Problems in Checking the Meteorological Instruments) Leningrad, Gidrometeoizdat, 1959. 73 p. Errata slip inserted. 1,000 copies printed.

Sponsoring Agencies: USSR. Sovet Ministrov. Glavnoye upravleniye gidrometeorologicheskoy sluzhby.

Eds.(Title page): O.A. Drozdov, Doctor of Geographical Sciences; and P.V. D'yachenko, Candidate of Physical and Mathematical Sciences. Ed.: V.S. Protopopov; Tech. Ed.: N.V. Volkov.

PURPOSE: The book is intended for meteorologists and research workers in meteorology, as well as for designers and engineers working in meteorological instrument making.

COVERAGE: This publication consists of four articles dealing mainly with the problem of better methods for checking certain meteorological instruments, such as the aerodynamic telescope of the Observatory, the manual anemometers in the industrial

Card 1/3

Problems in Checking (Cont.)

SOV/3672

plants, the thermoelectric balance meters, etc. In addition, the book deals with the possibilities of improving the correctness and accuracy of some meteorological investigations. Bibliographic references are given at the end of each article.

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D'yachenko, P.V. Application of Mathematical Statistical Methods to the Study of the Microstructure of Fog and Clouds 3

The article presents the results of an investigation of the problem of experimental determination of the size of fog and cloud particles from the point of view of statistical probability. Data presented in the article makes greater accuracy possible in studies of the microstructure of fog and clouds.

D'yachenko, P.V., and A.I. Kameneva. Results of the Investigation of the Aerodynamic Telescope of the Main Geophysical Observatory. 51

Card 2/3

ACCESSION NR: AT4044402

8/2531/64/000/160/0123/0131

AUTHOR: Pokrovskaya, I. A., Lur'ye, V. A.

TITLE: Results of an investigation of the new standard barometers

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy*, no. 160, 1964. Metodika meteorologicheskikh nablyudeniy i obrabotki (Methods of meteorological observation and processing observation data), 123-131.

TOPIC TAGS: meteorology, meteorological instrument, barometer, standard barometer

ABSTRACT: The standard instruments used as reference barometers in the measurement of atmospheric pressure by the Gidrometsluzhba SSSR (Hydrometeorological Service of the SSSR) are the standard GGO barometers Nos. 1 and 2, dating back to the late 19th century. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii (All-Union Scientific Research Institute of Metrology) fabricated two new standard barometers (Nos. 3 and 4). The new standard barometers ensure a higher accuracy in the measurement of atmospheric pressure. This increase in accuracy is attained by an improved method for measurement of the mercury level differences in the barometer and greater accuracy in the measurement of barometer temperature. Both the old and new barometers are virtually free of errors associated with the influence of capillary forces on the mercury level.

Card 1/3

ACCESSION NR: AT4044402

This article describes precise comparisons of standard barometers Nos. 3 and 4 with one another and with standard barometers Nos. 1 and 2. The characteristics of barometers Nos. 1 and 2 are given, since the only other descriptions are in very old references (H. Wild, Meteorologicheskii sbornik, Vol. 1, 1874 and Repertorium fuer Meteorologie, Bd. XVI, No. 4, 1892). Standard barometers Nos. 3 and 4 are completely identical and of stainless steel; a description is given but no photographs or diagrams. Particular attention is given to the procedure by which the mercury level is determined. The problem of vibration of the free surface of the mercury column is discussed; all comparisons were made at night when urban traffic was lightest and only under stable atmospheric conditions. During 1961-1962 a total of 32 series of comparisons was made between the two new barometers, usually with one of the two older barometers used as a control. The mean difference (0.03 mm) in the readings of the new standard barometers and barometer No. 1 indicates that use of the new instruments will have virtually no effect on the corrections for barometers used in checking pressure instruments. At present, the mean square error of one barometer reading is 0.014 mm Hg. The barometers are not yet on their permanent mountings and will have to be investigated again after they are set up in permanent positions. Orig. art. has: 1 formula and 3 tables.

Card 2/3

ACCESSION NR: AT4044402

ASSOCIATION: Glavnaya geofizicheskaya observatoriya, Leningrad (Main Geophysical Observatory)

SUBMITTED: 00

ENCL: 00

SUB CODE: ES

NO REF SOV: 002

OTHER: 001

Card 3/3

POKROVSKAYA, I.A.; LUR'YE, V.A.

Results of tests of new standard barometers. Trudy GGO no.160:
123-131 '64. (MIRA 17:9)

ZVONKOV, V.V., prof.; FOMKINSKIY, L.I., inzh.. Prinimali uchastiye:
STRUNNIKOVA, V.P., inzh.; POKROVSKAYA, I.K., inzh.; DZADZAMIYA,
L.A., tekhnik; SHAPOSHNIKOV, Ye.M., inzh.. KHOBOTOV, Yu.A.,
red.; BOBROVA, V.A., tekhn.red.

[Ship tractive and propulsive speed calculations; a proposed
guide] Sudovye tiagovye i skorostnye raschety; proekt ruko-
vodstva. Moskva, Izd-vo "Rechnoi transport," 1959. 213 p.
(MIRA 13:7)

1. Chlen-korrespondent Akademii nauk SSSR (for Zvonkov).
2. Tsentral'nyy nauchno-issledovatel'skiy institut ekonomiki i
eksploatatsii vodnogo transporta (for Shaposhnikov).
(Towing) (Ship propulsion)

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Pokrovskaya, I. M. Dr. Geolog. - Mineralog. Sci.

Dissertation: " Method of Pollen Analysis and its Use in Studying the
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SO: Vechernyaya Moskva Jun 1947 (Proj. #17836)

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USSR (600)

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in the Northern Urals. Trudy Inst. geol. nauk AN SSSR no. 8, 1947.

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"History of the Development of Flora in the Last Interglacial Age in the Territory of Leningrad Oblast"

Nauchnaya sessiya 1952-1953 gg (LGU): Tezisy dokl. po seksii geogr. nauk, 20-23

Report in the section of geographical sciences for the 1952-1953 scientific session of Leningrad State University. (RZhGeol, No 3, 1954)

SO: W-31187, 8 Mar 55

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nauchnyy sotrudnik; BUSHINSKIY, G.I., prof.; GEEKER, R.F., prof.,
doktor biolog.nauk; GROSSGEM, V.A., kand.geol.-miner.nauk;
ITENBERG, S.S., dotsent; KRISHTOFOVICH, A.N.; LYUBOMIROV, B.N.,
kand.geol.-miner.nauk; PORFIR'YEV, G.S., kand.geol.-miner.nauk;
POKROVSKAYA, I.M., prof., doktor geol.-miner.nauk; RADCHENKO, O.A.,
kand.khim.nauk; RUKHIN, L.B., prof., doktor geol.-miner.nauk;
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prof., doktor geol.-miner.nauk; SHARONOV, V.V., prof., doktor
fiziko-matem.nauk; YASHCHURZHINSKAYA, A.B., vedushchiy red.;
SOKOLOVA, Ye.V., tekhn.red. (Continued on next card)

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Sputnik polevogo geologa - neftianika. Leningrad, Gos.nauchno-
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1952. 504 p. (MIRA 12:12)

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(for Fursenko).

(Petroleum geology--Handbooks, manuals, etc.)

POKROVSKAYA, I. M.

USSR/Geology - Conference, Spore
Dust

Sep/Oct 53

"All-Union Spore-Dust Conference," M. I. Neyshadt
and I. M. Pokrovskaya

Iz Ak Nauk SSSR, Ser Geog, No 5, pp 106-111

A report on the conference, held 11-16 May 1953 in Leningrad by the Dept of Geol-Geog Sci, Acad Sci USSR, and by the All-Union Sci-Res Geol Inst and I. P. Gerasimov, Corr-Mem Acad Sci USSR, gave the opening address. M. I. Neyshadt, N. M. Pokrovskaya and S. I. Naumova presented reports on

27LT73

"Contemporary Status of Palynology in USSR and Related Problems of Spore-Dust Analysis," Other reports were by: N. K. Stel'mak, V. P. Grichuk, L. S. Tuzova, M. M. Odintsova, E. A. Kopytova, A. F. Kovaleva, I. A. Yushko, K. I. Inosova, Ye. G. Zusser, Ye. M. Andreyeva, L. N. Gutova, Yu. M. Kuzichkina, N. A. Bolkhovitina, G. I. Kedo, A. I. Moskvitin, V. I. Baranov, A. P. Zhuzye, Ye. V. Koreneva, N. Ya. Kats, S. V. Kats', M. N. Karavayev, N. I. P'yavchenko, N. A. Shchekina, N. N. Sigova, A. A. Zaklinskaya, G. S. Ganeshin, M. N. Grishenko, A. A. Larishchev, A. A. Lyuber, M. A. Sedova, I. A. Kupriyanova, M. Kh. Monoszon, S. R. Samoylovich, A. N. Gladkova, K. V. Zhelubovskaya, S. N. Tyuremov and V. V. Zauyer.

27LT73

POKROVSKAYA, I.M.

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(Paleobotany)

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 12, 15-1957-12-16946
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AUTHOR: Pokrovskaya, I. M.

TITLE: Collection and Study of Plant Remains From Quaternary
Deposits (Sbor i izucheniye rastitel'nykh ostatkov iz
chetvertichnykh oblozheniy)

PERIODICAL: V sb: Metod. rukovodstvo po izucheniyu i geol. s"yemke
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dat, 1955, pp 110-122

ABSTRACT: Bibliographical entry

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[Atlas of Miocene spore and pollen complexes of various regions of
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Ye.P.; SEDOVA, M.A.; SIGOVA, N.N.; STEL'MAK, N.K.; PERLIN, S.S., re-
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